

2-SUBSTITUTED 4,5-DIPHENYLTHIAZOLES AND SYNTHESIS THEREOF

Patent number: JP50121269

Publication date: 1975-09-23

Inventor:

Applicant:

Classification:

- international: **C07D277/22; C07D277/28; C07D277/42; C07D295/15; C07D277/00; C07D295/00; (IPC1-7): A61K31/425; C07D277/20**

- european: **C07D277/22D; C07D277/28; C07D277/42; C07D295/14B1F2**

Application number: JP19750012645 19750131

Priority number(s): CH19740001377 19740131

Also published as:



NL7501086 (A)
GB1490771 (A)
FR2259603 (A1)
ES434151 (A)
DE2503436 (A1)

more >>

Report a data error here

Abstract not available for JP50121269

Abstract of corresponding document: **GB1490771**

1490771 4,5-Diphenyl-thiazoles SERONO LABORATORIES Inc 24 Jan 1975 [31 Jan 1974] 3224/75
Heading C2C Novel 4,5-diphenyl-thiazoles of the general formula wherein X is -NR¹R², each of R¹ and R² is a hydrogen atom or a C 1-4 alkyl, C 1-4 hydroxy-alkyl, C 1-4 acyl or acyloxy-C 1-4 alkyl group or NR¹R² is a 5- or 6-ring-membered heterocyclic amino group, and A is a single bond or an alkylene group, and acid addition salts and N-acylated derivatives thereof are prepared (a) by cyclizing with P 2 S 5 an [alpha]-phenylacetophenone derivative of the general formula wherein X is -NR¹R²; (b) by reacting a halide of the general formula wherein Hal is a halogen atom, with HNR¹R²; and (c) when at least one of R¹ and R² is a C 1-4 acyl or acyloxy-C 1-4 alkyl group, by acylating the corresponding compound in which at least one of R¹ and R² is a hydrogen atom or C 1-4 hydroxyalkyl group; followed optionally by salification or N-acylation of the product. [alpha]-Phenylacetophenone derivatives of the second general formula above are prepared by reacting the corresponding compound in which X is a halogen atom (itself prepared by reacting desylamine with Hal-CO-A-X) with HNR¹R². Halides of the third general formula above wherein A is an alkylene group are prepared analogously to process (a) above. Pharmaceutical compositions having hypo-cholesterolemic and/or platelet aggregation-inhibiting activity comprise, as active ingredient, a 4,5-diphenyl-thiazole of the first general formula above or a pharmaceutically acceptable acid addition salt or N-acylated derivative thereof, together with a pharmaceutically acceptable diluent, carrier or excipient.

Data supplied from the esp@cenet database - Worldwide